BRUHAT BENGALURU MAHANAGARA PALIKE

Running Account Bill No:1st And Part Bill | **Recorded On: / /2019**

Name of work:Construction of Indoor Stadium With All Amenities At Sahakarnagar in ward no 08 Kodigehalli, Kodigehalli Sub Division

Job No : 008-16-000036

Administrative Sanction No :BBMP/YNK/EE(pr)/AS/72/2017-18

Technical Sanction No :BBMP/YNK/CE/TS/PR/43/2017-18

Work Order No : EE(Project)Ynk Zone/WO/114/2017-18

Name Of Agency :Sri Abbu Samba Siva Reddy Bangalaore

Aggrement No : EE/Project/Ynk Zone/114/2017-18

EMB Pre Measurements Recorded On : 29/11/2018

No	Description of work	No	Dimensions			Total Quantity	Unit	Remarks
			L	B	D			
1	KSRB 2.24 Earth work for lowering and levelling the ground other than foundation works by mechanical means upto 3.00 depth, including providing shoring strutting and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavated earth to the extent required & utilising/transporting the remaining earth upto 1.00 km lead. Including the cost of labour & HOM as per drawing and technical specification							
	[redacted] KODIGEHALLI	1	58	30.00	0.72	1252.80	Cum	
					Total	1252.80	Cum	

Contactor	PMC	Assistant Engineer Yelahanka project BBMP	Asst. Exe.Engineer 29/11/18 yelahanka project BBMP

RUDRAPRASAD CONSULTANTS BANGALORE

Description of work	No	Dimensions			Total Quantity	Unit	Remarks
		L	B	D			
Continued EMB Pre Measurements Recorded On :					30/11/2018		
KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.. No. KBS 2.1(b) / 2.3.5							
Footings earthwork							
ALONG GRID 2							
C1	1.00	6.10	6.10	3.30	122.79	Cum	
C2	2.00	5.80	5.80	3.20	215.30	Cum	
C4	3.00	4.20	4.20	3.30	174.64	Cum	
CF1	1.00	3.90	6.30	3.20	78.62	Cum	
CF2	1.00	4.80	9.40	3.20	144.38	Cum	
ALONG GRID 3							
C3	4.00	4.90	4.90	2.20	211.29	Cum	
C4	4.00	4.20	4.20	2.30	162.29	Cum	
C4'	2.00	2.20	4.70	2.30	47.56	Cum	
Deductions							
C1	-1	5.7	5.70	1.30	-42.24	Cum	
C2	-2	5.4	5.40	1.30	-75.82	Cum	
C3	-4	4.5	4.50	1.30	-105.30	Cum	
C4	-7	3.8	3.80	1.30	-131.40	Cum	
C4'	-2	1.8	4.30	1.30	-20.12	Cum	
CF1	-1	3.5	5.90	1.30	-26.85	Cum	
CF2	-1	4.4	9.00	1.30	-51.48	Cum	
P1,P2	-9	1	1.15	1.30	-13.46	Cum	
				Total	690.21	Cum	

Contactor | PMC | Assistant Engineer, Yelahanka project BBMP | Asst. Exe.Engineer, yelahanka project BBMP

30/11/2018

RUDRAPRASAD CONSULTANTS BANGALORE

Description of work	No	Dimensions			Total Quantity	Unit	Remarks
		L	B	D			
Continued EMB Pre Measurements Recorded On :					01/12/2018		
KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. Complete							
Footings soling 1st Layer							
ALONG GRID 2							
C1	1	5.70	5.70	0.20	6.50	Cum	
C2	2	5.40	5.40	0.20	11.66	Cum	
C4	3	3.80	3.80	0.20	8.66	Cum	
CF1	1	3.50	5.90	0.20	4.13	Cum	
CF2	1	4.40	9.00	0.20	7.92	Cum	
ALONG GRID 3							
C3	4	4.50	4.50	0.20	16.20	Cum	
C4	4	3.80	3.80	0.20	11.55	Cum	
C4'	2	1.80	4.30	0.20	3.10	Cum	
				Total	69.72	Cum	

Contactor

PMC

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Engineer
Yelahanka project BBMP

Asst. Exe.Engineer
yelahanka project BBMP

01/12/2018

Description of work	No	Dimensions			Total Quantity	Unit	Remarks
		L	B	D			
Continued EMB Pre Measurements Recorded On :					01/12/2018		
KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2							
PCC 1st Layer Footings							
ALONG GRID 2							
C1	1	5.70	5.70	0.15	4.87	Cum	
C2	2	5.40	5.40	0.15	8.75	Cum	
C4	3	3.80	3.80	0.15	6.50	Cum	
CF1	1	3.50	5.90	0.15	3.10	Cum	
CF2	1	4.40	9.00	0.15	5.94	Cum	
ALONG GRID 3							01/12/2018
C3	4	4.50	4.50	0.15	12.15	Cum	
C4	4	3.80	3.80	0.15	8.66	Cum	
C4'	2	1.80	4.30	0.15	2.32	Cum	
				Total	52.29	Cum	

Contactor	PMC	Assistant Engineer Yelahanka project BBMP	Asst. Exe.Engineer yelahanka project BBMP

RUDRAPRASAD CONSULTANTS BANGALORE

Description of work	No	Dimensions			Total Quantity	Unit	Remarks
		L	B	D			
Continued EMB Pre Measurements Recorded On :					01/12/2018		
KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. Complete							
Footings soling 2nd Layer							
ALONG GRID 2							
C1	1	5.70	5.70	0.20	6.50	Cum	
C2	2	5.40	5.40	0.20	11.66	Cum	
C4	3	3.80	3.80	0.20	8.66	Cum	
CF1	1	3.50	5.90	0.20	4.13	Cum	
CF2	1	4.40	9.00	0.20	7.92	Cum	
ALONG GRID 3							01/12/2018
C3	4	4.50	4.50	0.20	16.20	Cum	
C4	4	3.80	3.80	0.20	11.55	Cum	
C5	2	1.80	4.30	0.20	3.10	Cum	
				Total	69.72	Cum	

Contactor

PMC

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Engineer
Yelahanka project BBMP

Asst. Exe.Engineer
yelahanka project BBMP

Description of work	No	Dimensions			Total Quantity	Unit	Remarks
		L	B	D			
Continued EMB Pre Measurements Recorded On :					03/12/2018		
KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2							
PCC 2nd Layer Footings							
ALONG GRID 2							
C1	1	5.70	5.70	0.15	4.87	Cum	
C2	2	5.40	5.40	0.15	8.75	Cum	
C4	3	3.80	3.80	0.15	6.50	Cum	
CF1	1	3.50	5.90	0.15	3.10	Cum	
CF2	1	4.40	9.00	0.15	5.94	Cum	
ALONG GRID 3							
C3	4	4.50	4.50	0.15	12.15	Cum	
C4'	4	3.80	3.80	0.15	8.66	Cum	
C4"	2	1.80	4.30	0.15	2.32	Cum	
ALONG GRID 1							
PILE CAP 1	6	2.30	1.00	0.10	1.38	Cum	
PILE CAP 2	4	2.30	1.00	0.10	0.92	Cum	
				Total	54.59	Cum	

Contactor

PMC

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Engineer
Yelahanka project BBMP

Asst. Exe.Engineer
yelahanka project BBMP

Description of work	No	Dimensions			Total Quantity	Unit	Remarks
		L	B	D			
Continued EMB Pre Measurements Recorded On :					03/12/2018		
KSHB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc. either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.. No. KBS 2.1(b) / 2.3.5							
For Sump							
	1	7.0	3.0	2.30	48.30	Cum	
				Total	48.30	Cum	

Contactor

PMC

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Engineer
Yelahanka project BBMP

Asst. Exe.Engineer
yelahanka project BBMP
03/12/18

Description of work	No	Dimensions			Total Quantity	Unit	Remarks
		L	B	D			
Continued EMB Pre Measurements Recorded On :					10/12/2018		
KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3							
Mat For Footings	No of columns	No of bars					
C1				Total Qty	Wt/m		
25mm dia bars long direction	1	30	5.70	171.00	3.850	658.35	Kg
25mm dia bars short direction	1	30	5.70	171.00	3.850	658.35	Kg
C2							
25mm dia bars long direction	2	27	5.40	291.60	3.850	1122.66	Kg
25mm dia bars short direction	2	27	5.40	291.60	3.850	1122.66	Kg
C3							
25mm dia bars long direction	4	20	4.50	360.00	3.850	1386.0	Kg
25mm dia bars short direction	4	20	4.50	360.00	3.850	1386.0	Kg
C4							
20mm dia bars long direction	7	21	3.80	558.60	2.47	1379.74	Kg
20mm dia bars short direction	7	21	3.80	558.60	2.47	1379.74	Kg
CF							
20mm Longer Direction	2	15	3.80	114.00	2.47	281.58	Kg
16mm Shorter Direction	2	14	3.30	92.40	1.58	145.99	Kg
CF1							Kg
10mm @100 mm c/c	1	60	3.50	210.00	1.528	320.88	Kg
12mm @200mm c/c	1	14	5.90	82.60	0.890	73.51	Kg
CF1 Beam Details							
25mm Bottom Main Bars	1	18	8.30	149.40	6.310	942.71	Kg
25mm top bars	1	8	5.90	47.20	3.850	181.72	Kg
4LGD stirups 12mm dia	2	40	3.60	288.00	0.890	256.32	Kg
CF2							
25mm dia bars@120mm c/c	1	91	4.40	400.40	3.85	1541.54	Kg
12mm @200mm c/c	1	18	9.00	162.00	0.890	144.18	Kg

RUDRAPRASAD CONSULTANTS BANGALORE

AE

10/12/2018

Description of work	No	Dimensions			Total Quantity	Unit	Remarks
		L	B	D			
CB2 Beam Details							Kg
12mm Bottom Main Bars	1	22	11.40	250.80	6.310	1582.55	Kg
10mm Top Main Bars	1	12	9.00	108.00	6.310	681.5	Kg
6LGD 12Mmm @100c/c	3	91	2.80	764.40	0.888	678.8	Kg
COLUMNS							
					Total	15924.75	Kg
						15.92	tonne
				Total	15.92	tonne	

Contactor

PMC

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Engineer
Yelahanka project BBMP

Asst. Exe.Engineer
yelahanka project BBMP

10/12/2018

Description of work	No	Dimensions			Total Quantity	Unit	Remarks
		L	B	D			
Continued EMB Pre Measurements Recorded On :					11/12/2018		
KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2							
Footings centrings							
ALONG GRID 2							
C1@grid H-2	1	2	5.70	0.90	10.26	Sqm	
"	1	2	5.70	0.90	10.26	Sqm	
C2@grid F-2	2	2	5.40	0.80	17.28	Sqm	
"	2	2	5.40	0.80	17.28	Sqm	
C3@grid F-3	4	2	4.50	0.65	23.40	Sqm	
"	4	2	4.50	0.65	23.40	Sqm	
C4@grid B-2,B-3,B-4	4	2	3.80	0.50	15.20	Sqm	
"	4	2	3.80	0.50	15.20	Sqm	
C4@A3&K3	2	2	1.80	0.50	3.60	Sqm	
"	2	2	4.30	0.50	8.60	Sqm	
CF1 Footing	1	2	3.50	0.35	2.45	Sqm	
"	1	2	5.90	0.35	4.13	Sqm	
CF1 Beam	1	2	5.90	1.20	14.16	Sqm	
"	1	2	0.80	1.20	1.92	Sqm	
CF2 Footing	1	2	9.00	0.30	5.40	Sqm	
"	1	2	4.40	0.30	2.64	Sqm	
CF2 Beam	1	2	9.00	1.20	21.60	Sqm	
"	1	2	0.90	1.20	2.16	Sqm	
PILE CAP							
P1 PILE CAP	4	2	2.20	0.85	14.96	Sqm	
"	4	2	1.00	0.85	6.80	Sqm	
P2 PILE CAP	6	2	2.20	0.75	19.80	Sqm	
"	6	2	1.00	0.75	9.00	Sqm	
				Total	**249.50**	**Sqm**	

Checked & found correct
11/12/2018

Contactor

PMC

Assistant Engineer
Yelahanka project BBMP

Asst. Exe.Engineer
yelahanka project BBMP
11/12/2018

RUDRAPRASAD CONSULTANTS BANGALORE

Description of work	No	Dimensions			Total Quantity	Unit	Remarks
		L	B	D			
Continued EMB Pre Measurements Recorded On :					14/12/2018		
KSR3 4.2.1 : Providing and laying in position reinforced cement concrete of Design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columns pillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.							
Footings Concrete							
ALONG GRID 2							
C1	1	5.70	5.70	0.90	29.24	Cum	
C2	2	5.40	5.40	0.80	46.66	Cum	
C4	3	3.80	3.80	0.50	21.66	Cum	
CF1	1	3.50	5.90	0.30	6.20	Cum	
CF2	1	4.40	9.00	0.30	11.88	Cum	
ALONG GRID 3							
C3	4	4.50	4.50	0.65	52.65	Cum	
C4	4	3.80	3.80	0.50	28.88	Cum	
C4	2	1.80	4.30	0.45	6.97	Cum	
ALONG GRID 1							
PILE CAP 1	4	2.3	1.00	0.85	7.82	Cum	
PILE CAP 2	6	2.3	1.00	0.75	10.35	Cum	
CF1 SLAB	1	5.9	3.50	0.35	7.23	Cum	
CF1 BEAM	1	5.9	0.80	1.20	5.66	Cum	
CF2 SLAB	1	9	4.40	0.30	11.88	Cum	
CF2 BEAM	1	9	0.90	1.20	9.72	Cum	
				Total	256.79	Cum	

Checked
2/1/19
E.E (Project)

Checked & found correct
14/12/2018

Checked & found correct
2/1/2019

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Contactor	PMC	Assistant Engineer Yelahanka project BBMP	Asst. Exe.Engineer yelahanka project BBMP

RUDRAPRASAD CONSULTANTS BANGALORE

Description of work	No	Dimensions			Total Quantity	Unit	Remarks
		L	B	D			
Continued EMB Pre Measurements Recorded On :					21/12/2018		
KSR&B 4.6.5 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2							
Column UP TO PLINTH							
C1	1	2	0.40	2.20	1.76	Sqm	
"	1	2	0.60	2.20	2.64	Sqm	
C2@Grid F2&I2	2	2	0.40	2.30	3.68	Sqm	
"	2	2	0.60	2.30	5.52	Sqm	
C2@Grid J2&K2	2	2	0.40	2.75	4.40	Sqm	
"	2	2	0.60	2.75	6.60	Sqm	
C3@F3-J3	4	2	0.30	2.45	5.88	Sqm	
"	4	2	0.60	2.45	11.76	Sqm	
C3@F1-J1	4	2	0.30	0.80	1.92	Sqm	
"	4	2	0.60	0.80	3.84	Sqm	
C4@GRID B-2,B-3	7	2	0.30	2.60	10.92	Sqm	
"	7	2	0.60	2.60	21.84	Sqm	
C4@GRID A-1,E-1	6	2	0.30	0.80	2.88	Sqm	
"	6	2	0.60	0.80	5.76	Sqm	
C4@GRID A-2,B-2	2	2	0.30	1.15	1.38	Sqm	
"	2	2	0.60	1.15	2.76	Sqm	
CF	2	2	0.30	2.65	3.18	Sqm	
"	2	2	0.60	2.65	6.36	Sqm	
				Total	103.08	Sqm	

Contactor

PMC

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Engineer
Yelahanka project BBMP

Asst. Exe.Engineer
yelahanka project BBMP

Description of work	No	Dimensions			Total Quantity	Unit	Remarks
		L	B	D			
Continued EMB Pre Measurements Recorded On :					22/12/2018		
KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columns pillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6							
ColumnS UP TO PLINTH							
C1	1	0.4	0.60	2.20	0.53	Cum	
C2@Grid F2&I2	2	0.4	0.60	2.30	1.10	Cum	
C2@Grid J2&K2	2	0.4	0.60	2.75	1.32	Cum	
C3@F3-J3	4	0.3	0.60	2.45	1.76	Cum	
C3@F1-J1	4	0.3	0.60	0.80	0.58	Cum	
C4@GRID B-2,B-3	7	0.3	0.60	2.60	3.28	Cum	
C4@GRID A-1,E-1	6	0.3	0.60	0.80	0.86	Cum	
C4@GRID A-2,B-2	2	0.3	0.60	1.15	0.41	Cum	
C#	2	0.3	0.60	2.65	0.95	Cum	
				Total	10.80	Cum	

Contactor

PMC

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Engineer
Yelahanka project BBMP

Asst. Exe.Engineer
yelahanka project BBMP
22/12/2018